

# HP Designjet 90 Printer

## Real colours. Compelling sizes.



Professional A2+ and C+ size prints just became easier with this full-featured printer for designers and photographers. Express your creativity in brilliant colour and magnificent detail with the combination of HP Designjet 90 Printer, advanced HP Vivera Inks and HP media.

### Professional A2+ results with accurate colour

#### Be amazed by HP Vivera Inks

Proprietary dye-based HP Vivera Inks are carefully engineered to work flawlessly with all parts of the printing system. Together with HP six-ink colour printing, it delivers a wide range of colours, deeper blacks, continuous tones and gloss uniformity. A four picoliter ink-drop size maintains fine detail reproduction—especially in dark areas and smooth tonal transitions.

#### Keep prints looking freshly printed

When used in combination with HP Premium Plus Photo paper, HP Vivera Inks provide exceptional fade-resistant images that last approximately 82 years<sup>1</sup>.

#### Maintain accurate colour consistently

Experience a simple and straightforward path to brilliant, true-to-life colour, print after print, thanks to built-in HP Professional Colour technologies such as Automatic Closed Loop Colour calibration, HP PhotoREt IV Colour Layering Technology, Black Point Compensation and Screen-to-print matching. Also available as optional upgrades: HP CMYK Plus, automatic PANTONE calibration and press emulation, available as software RIP.

### Excellent versatility and performance

#### Use a wide range of media

The standard tray holds up to 70 sheets of A2+/C+ size media. The front bypass slot accommodates cut-sheet media up to 18 inches in width (A2+/C+ size). Heavy and rigid HP media of weights up to 300 gsm can be fed through the rear bypass slot. And four optional HP rolls feed media up to 458 mm/18 inches wide.

#### Print faster for greater productivity

Get your prints and proofs speedily and efficiently with the HP Designjet 90 Printer. High-quality images on A3+ media can be printed at four minutes per page in normal print mode. Or use Draft mode for proof printing to deliver A3+/B size prints quickly.

#### Work more smoothly and efficiently

Your design software choices expand when you use the HP Designjet 90 Printer, which enables colour solutions for every colour workflow. The print preview ensures correct layout. And you can add optional EFI software if you need colour management in a CMYK workflow.

### Cost-saving HP reliability

#### Save time and increase productivity

Cost-effective, individually replaceable HP ink cartridges and printheads maximise efficiency and provide reliable operation that minimises user intervention and improves productivity.

#### Worldwide support that's world renowned

For the last twelve years, Hewlett-Packard has consistently received the "A" grade in PC Magazine's Service and Reliability Survey and recently received one of the first-ever A+ ratings. That's the kind of assurance you get with HP Customer Care.

<sup>1</sup> Wilhelm Imaging Research, Inc. concluded that prints made with HP No. 85 ink cartridges and HP Premium Plus Photo Papers may be displayed indoors under glass for 82 years before noticeable fading and staining will occur (see [www.wilhelm-research.com](http://www.wilhelm-research.com) for details).

## Technical specifications

<b>Printing</b>	
Technology	HP Thermal Inkjet
Technology resolution	HP Colour Layering Technology, PhotoREt IV
Print resolution colour	Up to 2400 x 1200dpi
Lightfastness	82 years <sup>1</sup>
Printer cartridge colours	Black, cyan, magenta, yellow, light cyan, light magenta
Ink types	HP Viverra dye based inks
Ink drop	4 pl
<b>Print speeds</b>	Colour Image (ISO N5) Normal Mode A3/B Glossy Paper: 4 min/page <sup>2</sup> Colour Image (ISO N5) Normal Mode A2/C Glossy Paper: 6 min 21 sec/page <sup>3</sup>
<b>Connectivity</b>	
Standard:	USB 1.1 (USB 2.0 compliant), Centronics parallel IEEE-1284 (ECP compliant), 1 EIO slot
Optional:	HP Jetdirect 620n, 615n, 680n, 610n, 600n, 175x, 310x, 380x, en3700
Drivers (included):	Raster driver for Mac OS 9.x, 10.2, 10.3; PCL 3-GUI Windows driver; Microsoft Windows drivers 95, 98, Me, NT 4.0, 2000, XP
<b>Print margins</b>	Top (sheet) 5 mm (0.2 inches); Bottom (sheet) 12 mm (0.47 inches), 5 mm (0.2 inches) (roll <sup>4</sup> ); Left (sheet) 5 mm (0.2 inches); Right (sheet) 5 mm (0.2 inches)
<b>Media</b>	
Handling	70-sheet input tray, 50-sheet output tray, front single-sheet paper feed, rear path for manual single-sheet feed, optional roll feed
Types	Paper (plain, inkjet, coated, heavyweight coated, semi-gloss, glossy, proofing, photo, brochure/flyer), transparencies
Thickness (by paper path)	Tray 1: up to 0.2 mm (0.008 inches); envelopes: up to 0.4 mm (0.015 inches); Rear Tray: up to 0.4 mm (0.015 inches); manual sheet feed: up to 0.2 mm (0.008 inches)
Weights (by paper path)	Tray 1: 65 to 150 g/m <sup>2</sup> (17 to 40 lb); manual single-sheet feed: 65 to 210 g/m <sup>2</sup> (17 to 40 lb); rear path: up to 300 g/m <sup>2</sup> (80 lb)
Sizes	Letter, legal, tabloid, executive, C, envelopes, banners (A2, A3, A4, B3, B4, A/B/C [English architectural], envelopes, banners)
Rolls <sup>4</sup>	Core diameter: 5.08 cm (2 inches); External diameter: 10 cm (3.9 inches); Max Weight: 3 kg (7 lb)
<b>System</b>	
Minimum system requirements	<b>Windows:</b> Microsoft® Windows® 98: Pentium I, 133 MHz, 128 MB RAM, 300 MB available hard disk space; Microsoft Windows 2000, Server 2003: Pentium II, 300 MHz, 128 MB RAM, 400 MB available hard disk space; Microsoft® Windows® XP: Pentium III, 733 MHz, 256 MB RAM, 400 MB <b>Mac:</b> iMac G3, Mac OS 9 v 9.1, Mac OS 10 v 10.2, 256 MB RAM, 100 MB available hard disk (compatible Macintosh hardware: iMac G3, G4, G5, G4 dual processor, G5 dual processor, iBook, PowerBook, eMac)
Recommended system requirements	<b>Windows:</b> Microsoft® Windows® 95, Me: Pentium II, 300 MHz, 128 MB RAM, 1 GB available hard disk space; Microsoft® Windows® 2000: Pentium III, 733 MHz, 256 MB RAM, 2 GB available hard disk space; Microsoft® Windows® XP: Pentium IV, 1 GHz, 256 MB RAM, 2 GB available hard disk <b>Mac:</b> Mac OS 9 v 9.2, Mac OS 10 v 10.2 and higher, 10.3, G3 dual processor, 512 MB RAM, 1 GB available hard disk space
<b>Memory</b>	64 MB
<b>Print languages</b>	Standard: PCL 3-GUI RGB 24-bit Contone; Optional: Adobe PostScript 3 via software RIP
<b>Dimensions (w x d x h)</b>	
Maximum	890 x 860 x 220 mm (35 x 33.9 x 8.7 inches)
Shipping	1034 x 544 x 498 mm (43 x 22 x 20 inches)
<b>Weight</b>	
Printer	18.5 kg (40.8 lb)
Shipping	31 kg (68 lb)
<b>What's in the box</b>	
Power cord, USB cable, printheads (6), print cartridges (6), input/output tray, input tray cover, driver & documentation CD, Setup Poster, Quick Reference Guide, media samples, customer service guide	
<b>Environmental ranges</b>	
Operating temperature: 5 to 40° C (41 to 104° F); Recommended operating temperature: 15 to 35° C (59 to 91° F); Storage temperature: -25 to 55° C (-13 to 131° F); Operating humidity: 20% to 80% RH; Recommended humidity: 25% to 75% RH	
<b>Acoustic</b>	
Sound pressure, active: 50 dB(A); Sound pressure, standby: 37 dB(A); Sound power, active: 6.2 B(A); Sound power, standby: 5.4 B(A)	
<b>Power consumption</b>	
Maximum: 65 watts; Standby: 22 watts	
<b>Power</b>	
Requirements: Input voltage 100 to 240 VAC (± 10%) auto range, 50/60 Hz (± 3 Hz), 2 amp maximum	
<b>Power certification</b>	
Electromagnetic compatibility	Compliance for Class B products, Class A when connected to LANs: Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI), Class A: for Korea (MIC) and Taiwan (BSMI)
Safety certification	IEC 950-compliant, EU LVD and EN60950 compliant, China CCC, Singapore PSB, Korea KTL
Energy Star compliant	Yes
<b>Warranty</b>	One-year next-business-day exchange (Australia and New Zealand), one-year next-business-day on-site repair (JP, AP except Australia and New Zealand)

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<sup>2</sup> The printed area dimensions (margins not included) for file N5 are 279.9 x 350 mm (11.02 x 13.78 inches).

<sup>3</sup> The printed area dimensions (margins not included) for file N5 are 368 x 460 mm (14.5 x 18.1 inches).

<sup>4</sup> Roll feed optional, sold separately.

## Ordering information

<b>Product numbers</b>	
Q6656A	HP Designjet 90 Printer
<b>Accessories</b>	
Q6662A	HP Designjet 90 roll feed accessory
Q6661A	HP Designjet 90 spindle accessory
Q6641C	EFI Designer Edition 4.2 for HP M int
Q6642C	EFI Designer Edition 4.2 for HP M Japan
Q6643C	EFI Designer Edition 4.2 for HP XL International
Q6644C	EFI Designer Edition 4.2 for HP XL Japan
<b>Media supplies</b>	
Q5492A	HP Photo Matte—B+/50 sheet
Q5486A	HP Premium Plus Photo and Proofing Gloss Paper—B+/25 sheet
Q5487A	HP Premium Plus Photo and Proofing Gloss Paper—C+/20 sheet
Q5489A	HP Premium Plus Photo Satin Paper—B+/25 sheet
Q5490A	HP Premium Plus Photo Satin Paper—C+/20 sheet
Q7920A	HP Premium Plus Photo Satin Paper 18 inch x 50 feet roll
<b>Ink supplies</b>	
C5019A	HP 84 Black Printhead
C5016A	HP 84 Black Ink Cartridge
C9420A	HP 85 Cyan Printhead
C9421A	HP 85 Magenta Printhead
C9422A	HP 85 Yellow Printhead
C9423A	HP 85 Light Cyan Printhead
C9424A	HP 85 Light Magenta Printhead
C9425A	HP 85 Cyan Ink Cartridge
C9426A	HP 85 Magenta Ink Cartridge
C9427A	HP 85 Yellow Ink Cartridge
C9428A	HP 85 Light Cyan Ink Cartridge
C9429A	HP 85 Light Magenta Ink Cartridge



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